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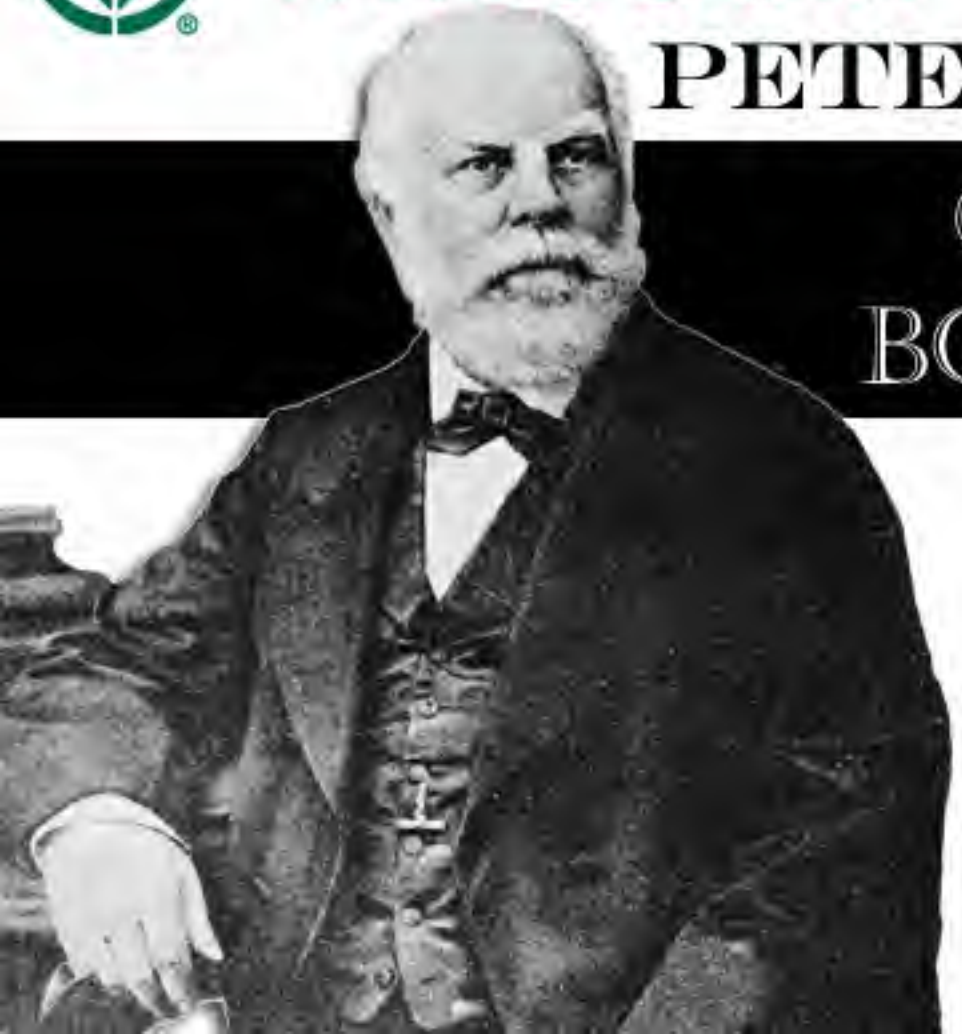

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Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

Leaf of Tsuga Canadensis — April 25 1863

H. D. Hussey

inside

outside

×10

Scarit broader but not as high as scale, fringed

×5

green tips of scales protruding over glaucous scale Brant

×30

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cm
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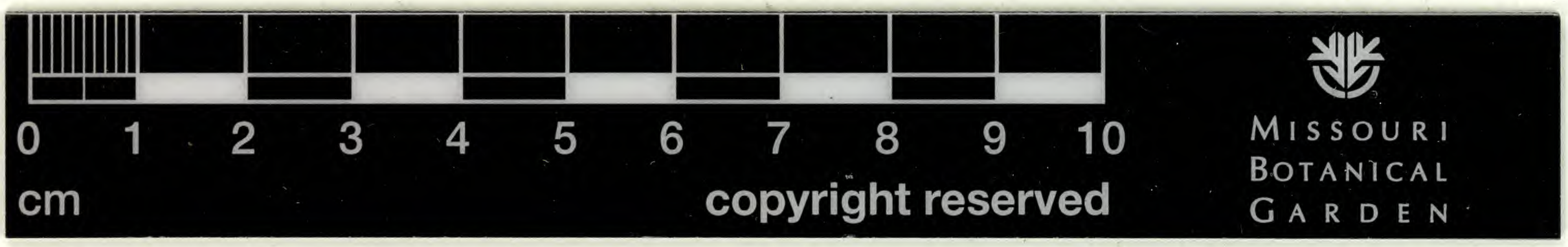
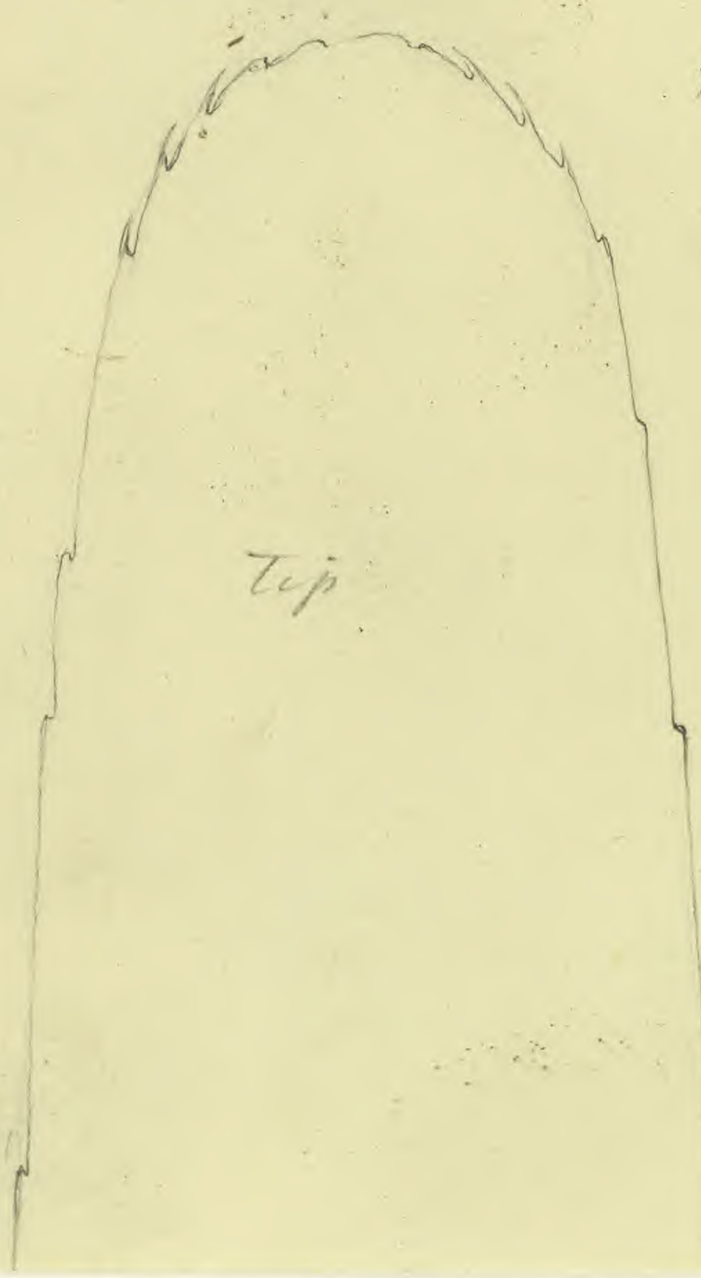


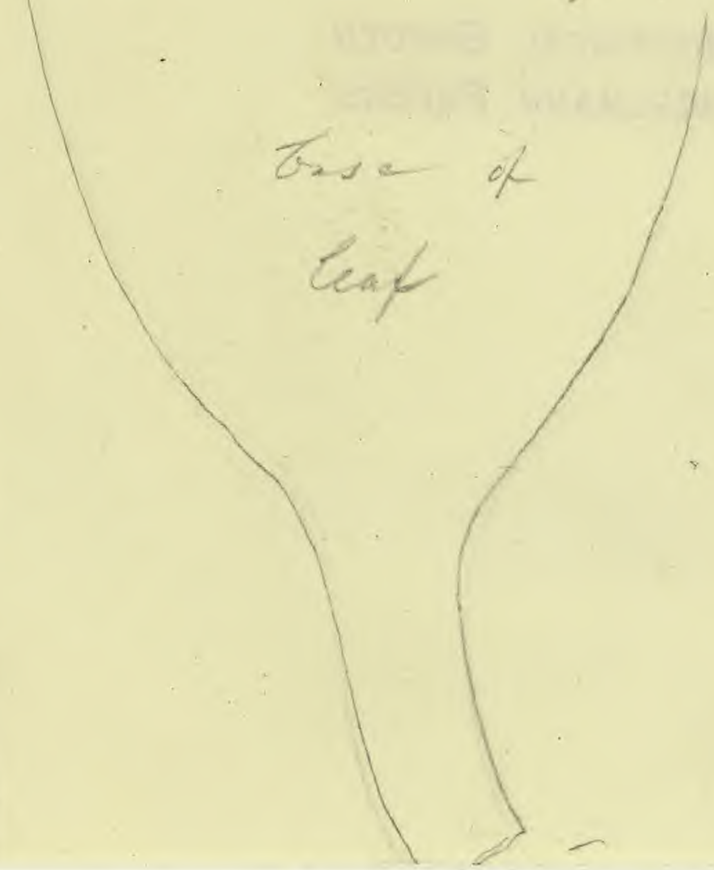
Tsuga Canadensis

April 15 1871

Hook Bot Mexico.



X30



Sheath of cells (without chlorophyll) which surrounds the bundles of vessels, unusually small

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[Successors to SAMUEL D. HENDEL,]

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Tsuga Canadensis

Niagara

Dec 6 1875

x 30

HERBARIUM OF THE FIELD MUSEUM OF NATURAL HISTORY CHICAGO
EX FETICH

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Tsuga Canadensis
Bayfield, Aug 1878

Oct 9 1878

dry & soak

×10

cotyledons usually 3, flat
acute or acutish entire

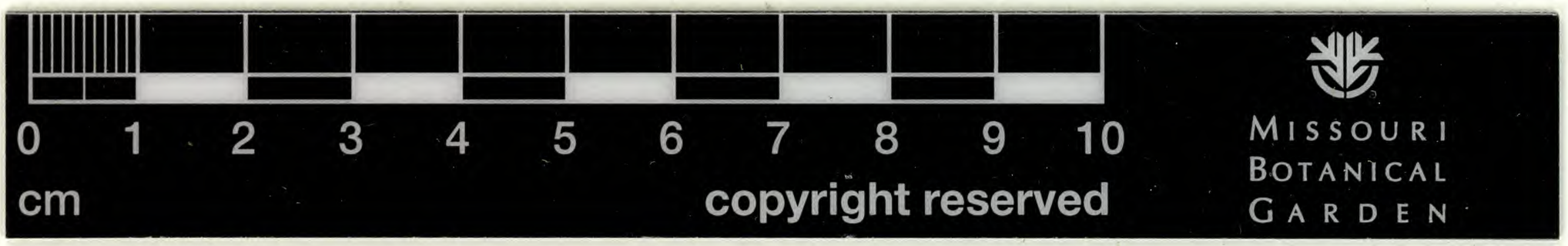
stomata above

scale of young leaf
×30

young leaf × 10
acutish or acute
spinulose-serrulate

margin
×60

B
HORTARIA
Drugist
301 South 14th St. Louis, Mo.
Cut 3/4 Size



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Druggist,

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Cone 13 "" long

Tsuga Caroliniana

Mountains of S. Carolina

Curtiss

Dec 8 1880

seed & bract

×2

wing twice as long
and quite as wide
as seed is long
with numerous oil receptacles
on the lower side

8/13

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Tsuga Caroliniana March 20 1821

Mountains of North Carolina

Curtiss

×30

7–9 series of stomata

leaves 6–8 l.–ly

3/4–1 l.–m wide

somewhat patent

×30

top of leaf obtuse or often slightly emarginate

never (in this specimen) leaf denticulate

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Dec 9 1881

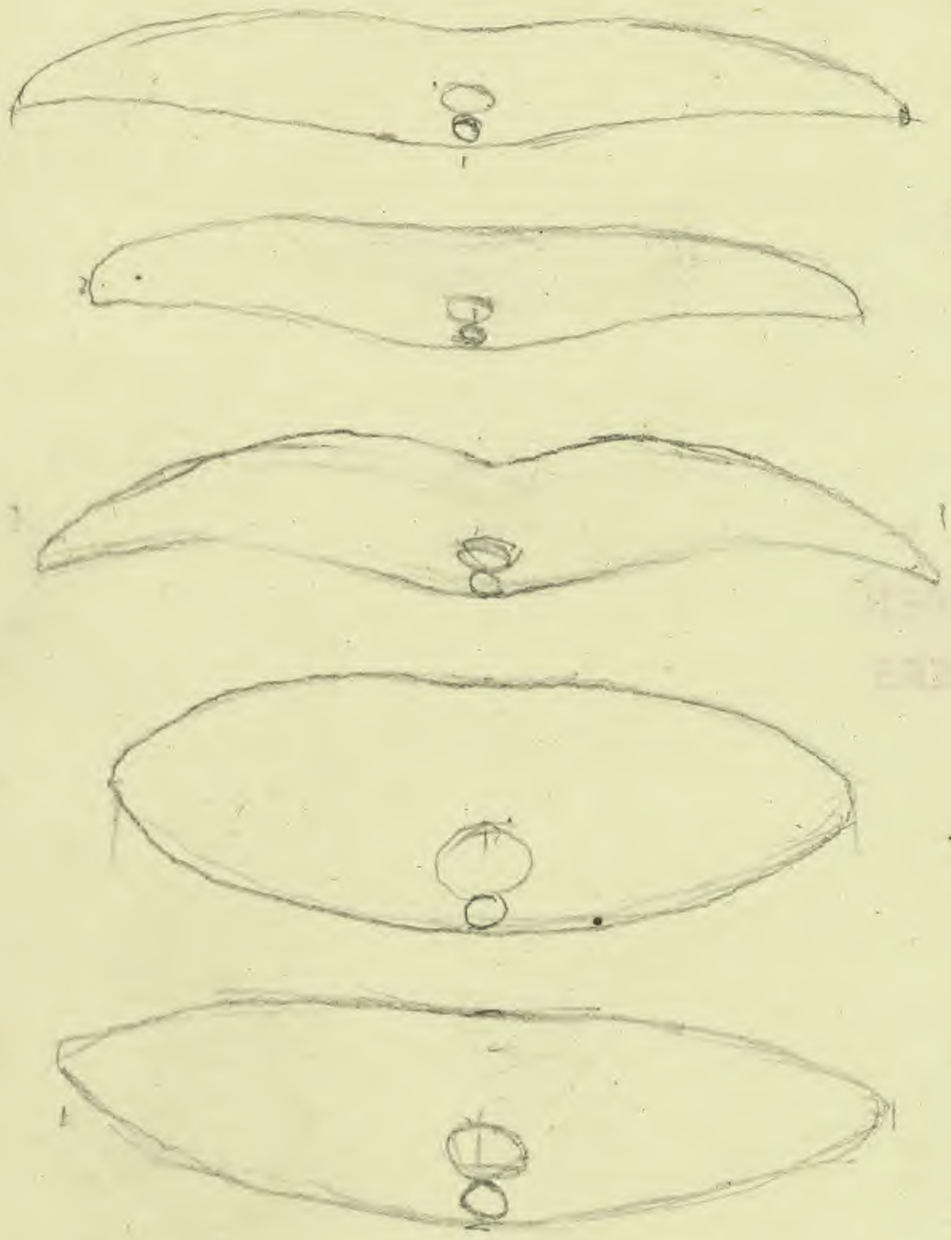
Tsuga Canadensis

native & cultivated sent by Prof Sargent

fresh ~ Feb 1881 — fresh sections

= no hypoderm cells in any of them

leaves of young shoots thicker and acute



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Tsuga Mertensiana

March 16 1881

S. Watson leg.

var Albertiana

5

3

5/8 order

×2

Yakima
18 Oct. 1880

×30

April 22

5

3

Coeur d'Alene
22 Sept 80

×2

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7 to 6

T. Morlensis

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Tsuga

Nov 13 1866

Mendocino Calif. H. DeCandar
200 feet high

a upper and outer, b lower and inner side attached to the scale

Cones, nat size

x2
scale from middle of Cone x 2

scales in $\frac{3}{8}$ or in the largest ones in $\frac{5}{13}$ arrangement

Bract long pointed, obovate — very different from that of Canadensis

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Tsuga Mertensiana Jan 29 1880

5 8

Silver Mountain, on Beyer River 5000-6000' alt July 1880

8/13

3

cons 9 111 leg

5

3

Cape Disappointment, mouth of Columbia July 1880

5/8

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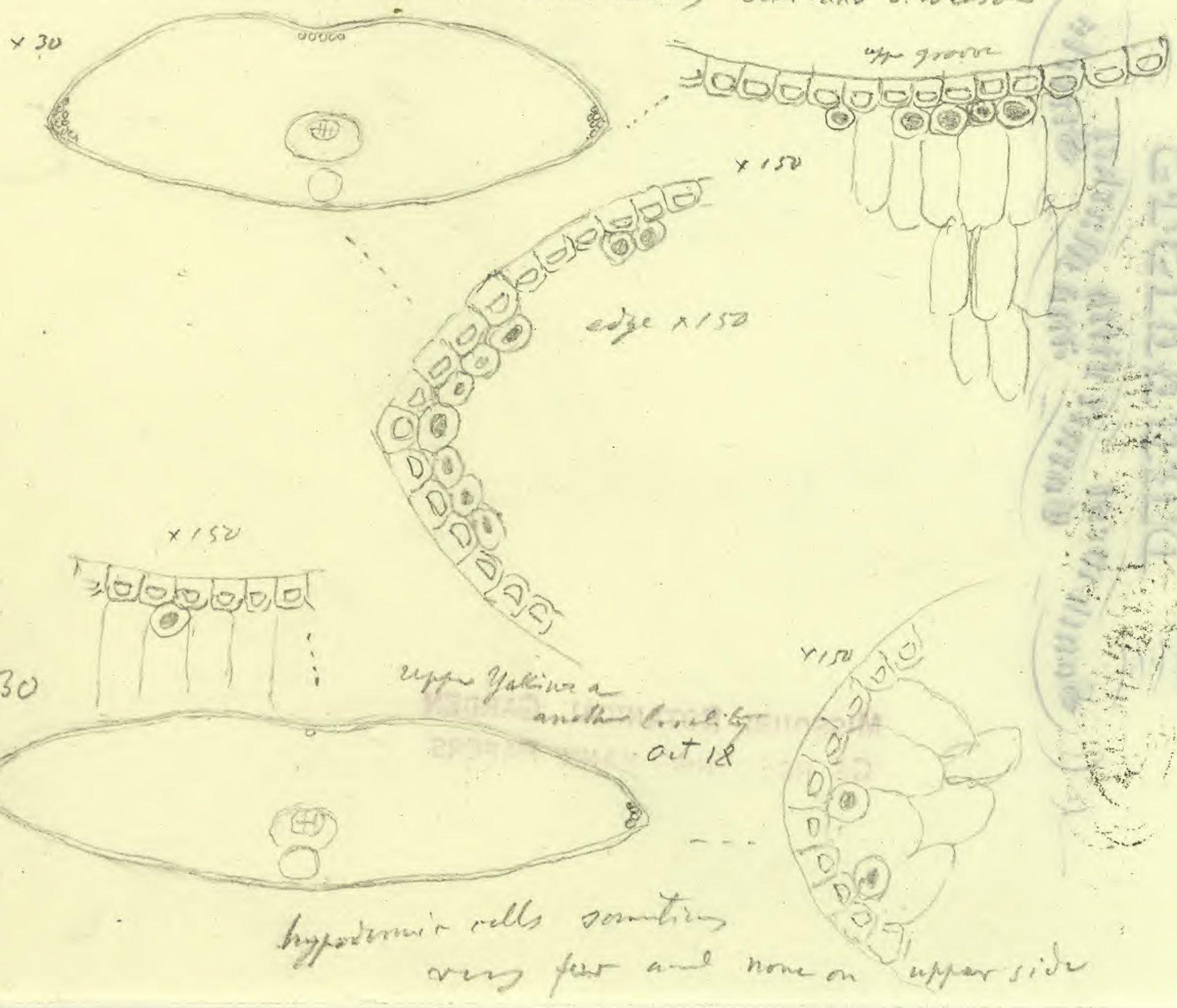
Tsuga Mertensiana

April 2? 1881

on the upper Yakima, Cascade Mtns 21 Oct. 1880 S. Watson



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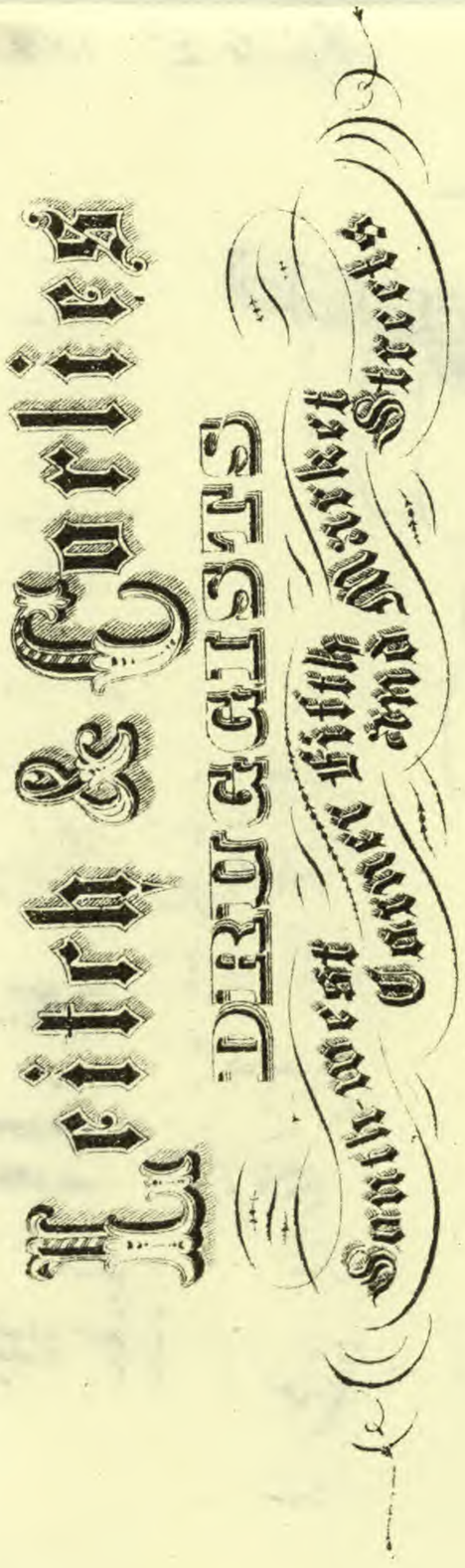

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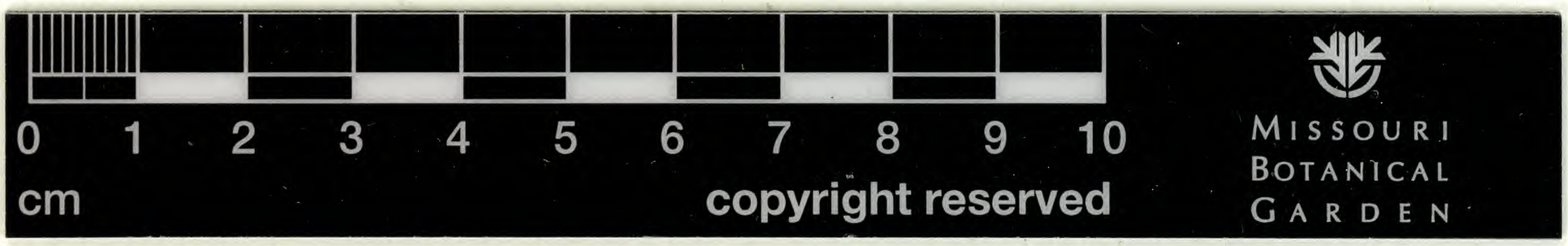

Abies Mertensiana (Trigr)

ex Gardners Chronicle p. 340

April 11. 1863

Sitcha

orgiral Petersburg Spec.

(Bongard

syn: foliis petiolatis

strobili segui pollicares

squamae reniformes.

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Lib 3 D. Carolinæana

1 T. Japonica

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Stega Carolinum. May 16 1881

v. Carolina, Gattinger 1881

15–20 glands

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Leitch & Corlies

DRUGGISTS

South-west Corner Fifth and Market Streets

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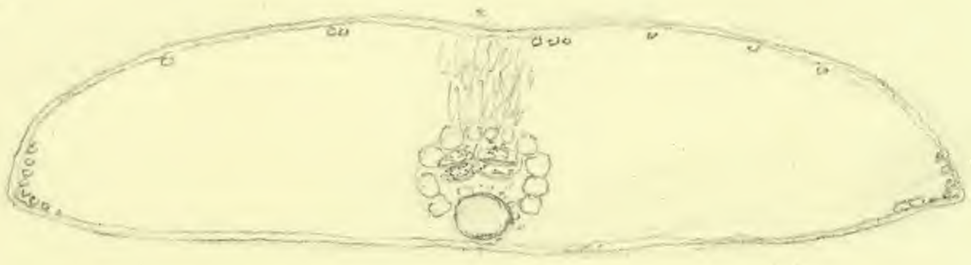
Tsuga Japonica
Hort Sargent

March 20 1921

×30



top of leaf

×30

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Smith & Carter
DRUGGISTS
Corner Fifth Market and Market Streets
South-west

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Abies Canadensis
Cambridge 1856

Dec 1862

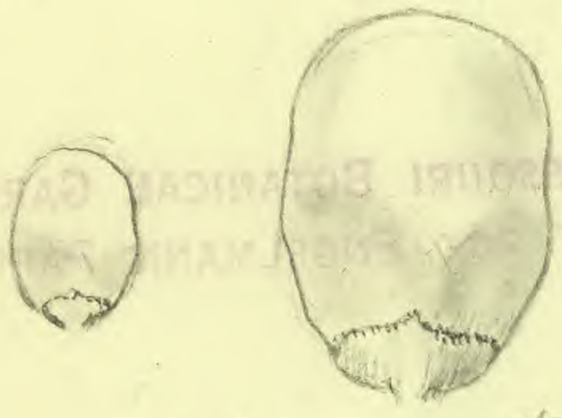
× 10

×4

3 Col. 4

×2

outside



scale × Great

outside · lower side

wing wrapped around seed partly — drops of resin? glands? on seed

×2

Growing 4 yrs, 9 mos. Gardiner

Wm Hy Manly

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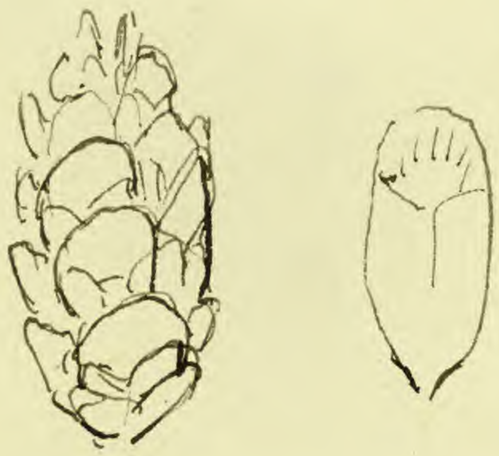
Abies Albertiana Nuttall (Tsuga)

Ex Gardeners Chronicle p. 340

April 11. 1863

Oregon & North California.

"foliis marginis scaberulis"



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Abies Canadensis

Feb 1863

Hort Bot Cambridge 1856 Suffolk Co.

male aments long pedunculate from lateral or terminal buds on young (villous) branches of last season

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May 27 78

" ~~Hampeiana~~ Pattoniana "
Allies

Hort Bot Petrop Aug 30. 1869

May not = Isopa Mertensiana ?
but the cone is said to be large

x 30

a few stomata in groove towards Tip

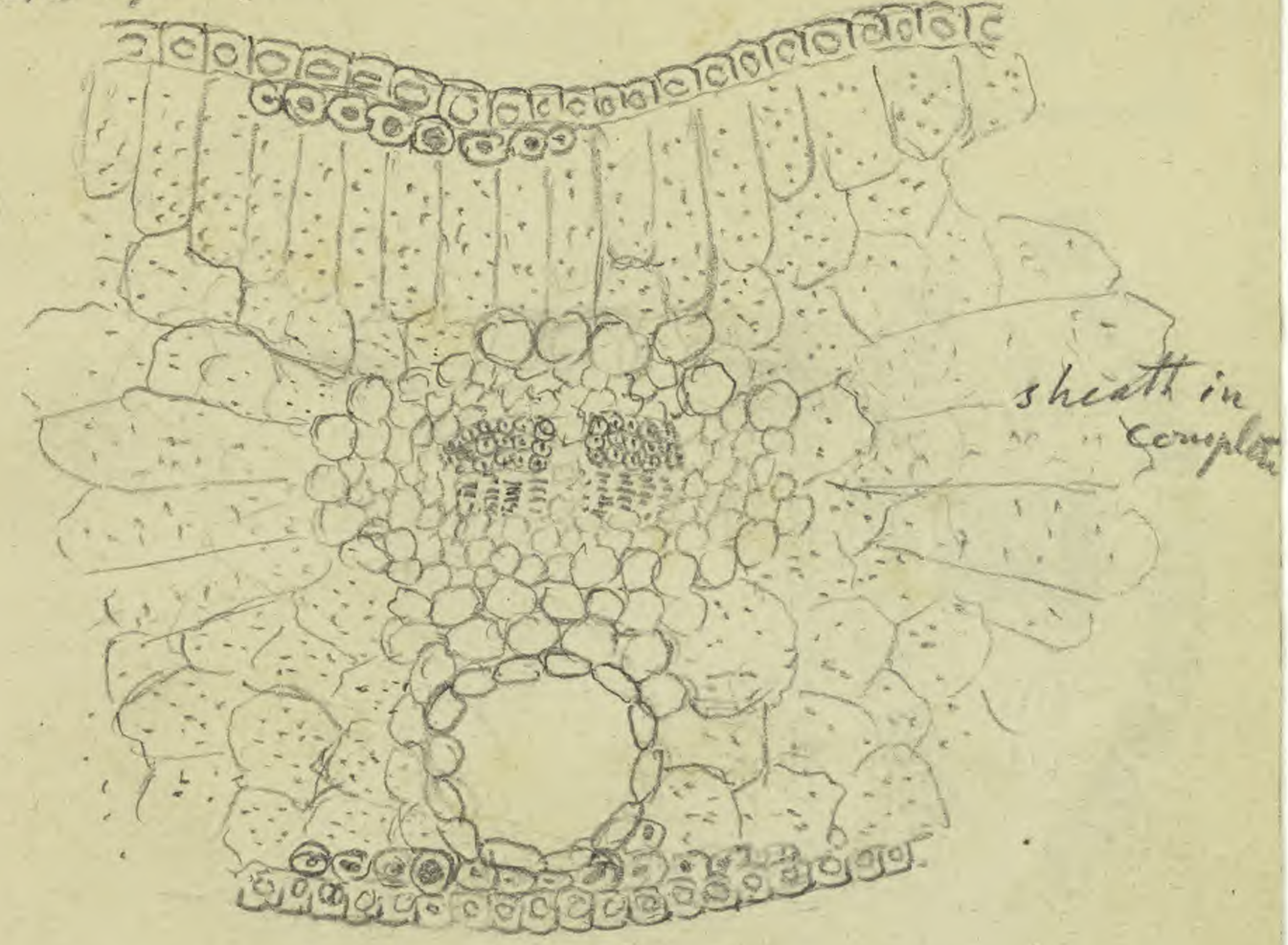
4 rows 4 rows
of stomat

epiderm cells very hollow.
much more so, than I have seen
it in Abies or Picea

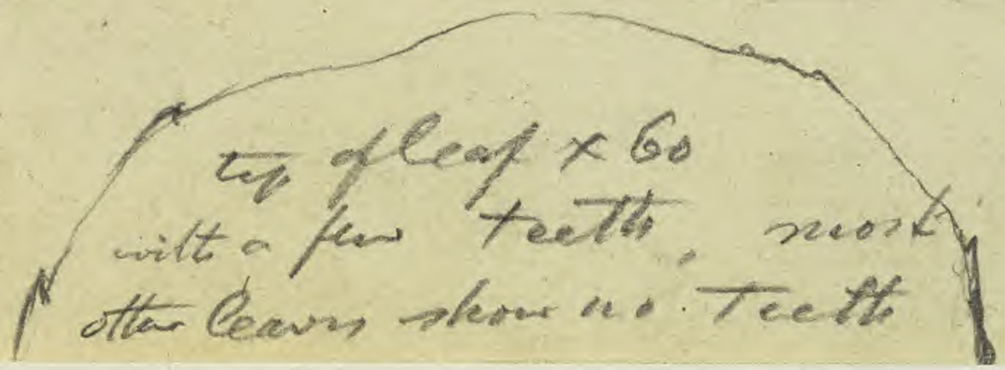
x 280

ap

x 150



sheath in
" " complete



top of leaf x 60
with a few teeth, most
other leaves show no teeth

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PURE WINES AND LIQUORS FOR MEDICAL USE.

MASTBOOM'S
PHARMACY

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and
Walnut St

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Street.

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